



Y-12 BULLETIN

A NEWSPAPER BY AND FOR EMPLOYEES OF CARBIDE AND CARBON CHEMICALS CORPORATION IN Y-12

Volume 2, No. 32

5-8085

OAK RIDGE, TENNESSEE

Tuesday, August 10, 1948

Oak Ridge Health Group Continues Hospital Plan

According to C. O. Burns, president of the Oak Ridge Health Association, the associations board of directors announce that, although the necessary 75 per cent participation in the Hospitalization Plan has not been obtained, the Plan will not be canceled on September 1 as previously intimated.

The Oak Ridge Health Association and the insurance company have agreed to continue the Plan on the basis that all parties concerned expect that the participation in the Plan will reach the required 75 per cent.

A majority of those who have been participating in the plan have indicated their desire for the Plan to continue, and with this expression the association feels that the necessary participation will be obtained, Burns said.

In an effort to answer various questions that have arisen in regard to the Health Association Hospitalization Plan, the association has arranged for broadcast over WATO as a means of answering these questions.

The following is part of the text prepared by the association: "Is it not possible to obtain a more satisfactory plan elsewhere?" The present plan has been given long and careful consideration by the Board of Directors of the Health Association and by a Committee consisting of the leaders in the Atomic Energy Commission, representatives of the Contractors' managements, members of the medical society, and hospital authorities, as well as outside experts in the field. Following these investigations, this Committee can state that no other plan can be obtained which would offer more to the group members, (Continued on Page 3)

Every Person Link In Chain Of Security

Immediately after V-J day there appeared a poster at the top of which was a key and at the bottom an industrial plant, both on a background of the American flag. On the key were the words, "We hold the key to world peace." At the bottom was the often repeated phrase, "continue to protect project information."

Numerous and continuing efforts to institute a workable world control of atomic energy have since been in progress and, as everyone is aware, no acceptable solution is yet evident. This fact, coupled with world developments seem to enhance the simple message of that V-J Day poster.

The protection of information is the everlasting responsibility of every person, who has it and every person who is or has been employed here has some sort of information which would be of value to a potential enemy. In other words, each person is a link in the chain of security. The integrity, honor and sense of duty of each individual entrusted with information are the basis of security.

It is felt that we still hold the key to world peace and by adequately protecting the vital information that is ours we will continue to hold that key.



Y-12 Photos By Vince Moore

One of the Fire Department First Aid Teams, which will represent Y-12 in the Oak Ridge First Aid contest, is pictured above right kneeling front, C. A. Cook; kneeling rear, D. A. Hyde, J. C. ing an injured employee for medical treatment. Shown from left to during a rehearsal of the three-man lift, preparatory to transport-Hastings and Lt. Wall. Leaning over the patient and directing the activity is Capt. Dave Turner. Billy D. Kicks is next to Turner. The patient is Tom Chambers, Jr.

Y-12 Enters 10 Teams In The Oak Ridge First Aid Contest

Ten teams from Y-12 will represent the plant in the Oak Ridge First Aid contest to be staged on September 18 at one p.m. at Blankenship Field.

The ten teams from Y-12 consists of two from Maintenance Division, four from Industrial Relations and one each from Manufacturing Offices, Chemical Division, Refining Division and Research and Development. These teams are holding regular drills in preparation for the contest.

Practice Problems Given

Each team has been given 20 practice problems to work on before the contest and they will be given three of these problems at the time of the contest without advance notice. These problems will embody only combinations of injuries included in the practice problems.

The winning Y-12 team will receive a \$70 cash award. Sixteen teams have been entered from K-25 and six from X-10.

Officials and judges of the contest will be furnished by the Bureau of Mines. C. H. Dodge, engineer in charge of the Bureau of Mines in Jellico, Tenn., will be the director of the contest.

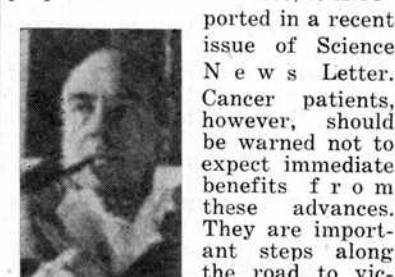
The committee in charge of the meet includes R. M. James of Y-12, L. N. Williams of X-10 and J. E. Campbell of K-25.

Temporary Illness Causes 7,000,000 Absences Daily

A report from Dr. Ira V. Hiscock, of Yale University, stated that life expectancy has increased 15 years since 1900. In a speech before a health meeting in Amherst, Mass., he said that despite advances in health, 7,000,000 persons are kept from their jobs daily by temporary illness.

Cancer Victory Seen Nearer By Strauss

Victory over cancer seems nearer in view of advances reported by Atomic Energy Commissioner Lewis L. Strauss to a Senate appropriations sub-committee, it is reported in a recent issue of Science News Letter.



Cancer patients, however, should be warned not to expect immediate benefits from these advances. They are important steps along the road to victory but there are still many obstacles to overcome. One advance involves the injection of radioactive colloidal gold directly into cancers. Dr. Paul F. Hahn of Vanderbilt University, who developed this method of cancer treatment, is as enthusiastic as any true scientist allows himself to be in the first stages of a new development. But he does not say he has cancer "cure." More time must elapse before that can be determined.

Still far from application in cancer treatment, but impressive in its possibilities, is the second advance reported by Commissioner Strauss. This consists in successfully getting a cancer-destroying radioactive chemical to go directly to the part of the body desired, without any dangerous stops in healthy tissue. The chemical used is radioactive iodine. 58063

New Concrete Guard Structures Preceding Opening Of Area Will Be Completed In 135 Days

The Rentenbach Engineering Company of Knoxville was announced by the Atomic Energy Commission as low bidder for the construction of guard structures which will be situated at the now controlled area entrances leading from the town of Oak Ridge to the gaseous diffusion plant, the electromagnetic plant and the Oak Ridge National Laboratory.

The bid submitted by the Knoxville firm was \$142,972. Construction of the guard structures is scheduled to be completed 135 days after notice to proceed is given in approximately two weeks.

The structures will be located at the entrances which will separate the town of Oak Ridge from the plant sites under a program which will result in improvement of security for the production and laboratory areas coincident with the opening of the town of Oak Ridge around the first of the year. One of these entrances will be on the Oak Ridge Turnpike, another on Scarboro Road north of Bear Creek Road, and the third at a point east of Scarboro School.

TVA To Develop Trees On Area

The Atomic Energy Commission has arranged with the Tennessee Valley Authority for its Division of Forestry Relations to participate in an analysis of the forest resources of the Oak Ridge Area and in the development of a suggested forest management program, AEC officials announced.

An estimated ten-month period will be required to formulate a long range plan which will provide for the comprehensive management and utilization of forest lands of the area, according to officials. The TVA will provide professional services in developing the proposed plan, drawn up from surveys conducted during this period, without financial assistance from AEC. The TVA cooperates in similar manner with state forestry agencies, landowners and timber industries throughout the Valley in establishing forestry demonstrations.

Develops Area

The ultimate objective for the management program is to produce a sustained yield of timber for commercial sale and demonstration and at the same time develop wooded portions of the Area for desired coverage. The first objective is analysis and recommendation to AEC of most desirable management practices.

The proposed objective was set forth at a recent conference of the forest management committee as the first phase of the preliminary survey of forestry possibilities.

It is planned that a large part of Oak Ridge will remain in forests and will be supplemented by planting additional tree seedlings in areas subject to erosion. Since 1947 the TVA has made available 2,000,000 seedlings per year for planting areas and plans to contribute similarly during the fiscal year 1949.

These planting activities, through the cooperative efforts of the Roane-Anderson Company and the TVA, led to the conception of the present management program to develop and utilize the forest resources of the Oak Ridge Area.

Modern Guard Offices

Each guard office will be a two-story concrete block structure, approximately 28 feet by 56 feet. The three main rooms on the first floor will consist of a main control room, waiting room and utility room. A guard room will be located on the third floor.

The building of the structures is one of three construction projects which must precede the opening of Oak Ridge to the general public around the first of the year.

Officials said the Ross Construction Company of Knoxville is proceeding on reconstruction of Kerr Hollow Road, which will serve as a new portion of the access highway between Oak Ridge and Solway Gate after completion of a new security fence closing off the production and laboratory areas. The Kerr Hollow Road begins at a point slightly east of Scarboro School and will join the Scarboro Road at a point just north of the electromagnetic plant. The new road will pass the electromagnetic plant at a greater distance than the present one.

Fence to Separate Areas

The AEC said that when new patrol road construction progresses further, Midwest Enterprises, Inc., of St. Louis will begin building a 14-mile chain-link fence which will serve to separate the town of Oak Ridge from the plant areas and to improve security control of the production area proper. Midwest Enterprises, Inc. was granted the contract on a bid of \$101,226.75.

The fence will extend from near Solway Gate to a point approximately three miles west of Oliver Springs Gate and will meander generally in a northwest direction. Approximately 12 miles of fence will be six feet in height with two miles being eight feet in height. Both will have one foot of barbed wire outrigger on top.

Ford Appointed Navy Reserve C. O.

Hank Ford has been appointed battalion commander of the United States Naval Reserve organized surface battalion 8-1, which is comprised of three divisions 8-56, 8-57 and 8-59.

Lt. Commander Ford received the appointment two days after he reported for two weeks of active duty training at the Knoxville reserve headquarters on July 21, relieving Lt. Commander Walter Brown.

Virginia Dare, first child of English parentage born within the limits of the present United States, was born on Roanoke Island, off the North Carolina Coast, August 18, 1587.



Y-12 Photos By Vince Moore

Huh! Hey! Whaa! Slurp! Hmmm! and Mama might easily have been the remarks of the six children pictured above at a watermelon party given by Dept. M13P at Valley View Beach recently. The children, all belonging to Y12 parents, shown from left to right are Jennie Mustin, Ray Mustin, Bill Black Keene, Bobby Mustin, Bill Wallace and Jennie Wallace.

Y-12 Bulletin

Published Weekly By
Carbide And Carbon Chemicals
Corporation
Post Office Box P
Oak Ridge Tenn.
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Dept. H12E Tops Attendance Report

Plant absenteeism jumped .1 per cent for the week ending August 1 with a report of 2.4 per cent. Dept. H12E, Process Development, leaped from 12th place for the preceding week to first place with an absentee report of 0.7 per cent in the Major League.

Dept. H12L, Isotope Development, trailed the leader of the Major League by .08 per cent with a report of 0.78 per cent to cop the No. 2 slot. Dept. A13N, General Utility and Standby went into third place for this reporting period, from eighth place for the preceding week, with an absentee mark of 0.81 per cent.

The first place standing in the Minor League was narrowed down to a three-way tie for this period with Dept. M13P, Product Processing; Dept. A13S, Tools and Dept. A12T, Automotive Repair, all reporting a perfect attendance record.

Second and third places went to Dept. A15N, Experimental Process and Dept. M12S, Steam Plant, with reports of 0.5 per cent and 0.7 per cent respectively.

The complete record of Y-12 absenteeism for the week ending August 1 by departments follows:

MAJOR LEAGUE			
Dept.	Percentage Absent	8-1-48	7-25-48
H12E	0.7	1	12
H12L	0.78	2	3
A13N	0.81	3	8
A12G	1.1	4	2
B12H	1.4	5	5
B12L	1.7	6	6
A14N	2.0	7	4
M12P	2.2	8	1
A12S	2.5	9	9
A17N	2.8	10	11
B12C	3.0	11	14
B13L	3.4	12	7
A16N	3.79	13	13
A12M	3.84	14	10
H12D	5.6	15	15

Group absentee percentage was 2.3 per cent, .1 per cent lower than the preceding week.

MINOR LEAGUE			
Dept.	Percentage Absent	8-1-48	7-25-48
M13P	0.0	1	1
A13S	0.0	1	1
A12T	0.0	1	1
A15N	0.5	2	6
M12S	0.7	3	7
A12W	1.0	4	1
A19N	1.3	5	4
B12A	1.4	6	1
A14J	1.5	7	5
A12J	2.5	8	1
A13T	2.8	9	2
A12P	2.9	10	3
A12A	3.15	11	12
A12L	3.19	12	1
A12R	4.3	13	9
A12N	4.6	14	8
A12D	5.3	15	10
A13W	7.2	16	13
B13C	8.9	17	11

Group absentee percentage was 2.5 per cent, .5 per cent higher than the preceding week.

The plant average for the week ending August 1, 1948, was 2.4 per cent, .1 per cent higher than the preceding week.

Strictly Confidential..

J. H. Dobbins, Dept. A15N, is visiting in Gadsden, Ala. during his vacation . . . A. C. Swicegood and his family enjoyed a week of rest at Myrtle Beach, S. C. . . . J. H. Stone and C. A. Gregory are back on the job after a vacation. B. N. Strunk, Dept. A12S, reported that last week's Bulletin stated that J. D. McGuffin also of Dept. A12S and Strunk, with their families, failed to catch any fish in Clinch River. Due to insufficient high octane fuel for the paddles, little time was spent fishing. What spare time we had was spent enjoying the beauties of nature, chasing whistle pigs, and other varmints (and we don't mean politicians). However, the attached picture is definite proof that all expeditions on which the above employees embark are fruitless, and some are not so frogless. The

string of frogs (and only the ones on the line, no comment about the one in the back row please) were taken by various and devious means from Watts Bar Lake recently . . . N. L. McNabb is in Newport, Tenn. vacationing with his wife . . . R. E. Stewart decided to call on some of his old friends in White Plains, Mo., during his vacation . . . Helen Mathews went a way down South last week, Mississippi way, that is, to her home town, Okolona . . . V. V. Thornton is visiting in Kingsport, Tenn. . . . A. B. Howell is resting in Lexington, Ky. . . . Ray Rinehart is also on the vacation list this week.

Juanita Fox, Dept. B12H, was at Virginia Beach, Va. last week taking in the nice ocean breeze . . . While Bill Reynolds spent his vacation resting in Oak Ridge . . . A. J. Seagle, better known as "Pop" visited in Atlanta, Ga. and Sevierville, during a recent vacation . . . Ruth Wright spent her long-week-end-break with relatives in Jamestown, Tenn. . . . Mary Deadmore was in Abingdon, Va. last week with relatives.

George Fisher, Dept. H12L, went to Shelby, Ohio to spend his vacation with his family . . . W. W. Davis really decided to get away from civilization and all concerned. After seeing his family off on their way to Curie Beach, N. C. Davis spent his vacation in the Smokies enjoying nature's beauty around Asheville, N. C.

W. T. Hays, Dept. A23J, is in Daytona Beach, Fla. with his family enjoying a sunny vacation. David Treece, Dept. A12R, left over the week end to spend his vacation in Morristown, Tenn. . . . Madeline Tackett was in Detroit, Mich. last week.

A. K. Bissell, Dept. B12A, spent a recent vacation in Pass-a-Grille Beach, Fla.

M. L. Winton, Dept. H12E, is in

Florida vacationing this week . . . Raymond Murray's attempt at pole vaulting almost led to a near disaster the other day, when after clearing the bar 8 feet and 6 inches he lost his balance on the descent and upon hitting the saw dust he suffered three fractures and a dislocation of the wrist. Disregarding the fact that he will have to carry his wrist in a cast for a month or more, Raymond is jubilant over the thought of the height he reached . . . L. R. Hall and B. R. Poston are back on the job after a vacation.

W. L. Morgan, Dept. A12N, spent the week end in Pittsburgh, Penn. with his family.

Wilbur Claridge, Dept. A13N, was in Asheville, N. C. last week vacationing. W. J. Wiggins, W. A. Eubank and E. T. Wallace are on vacations.

Dept. A12T is sorry to hear Ollie Morris slipped during her vacation last week causing some very uncomfortable cuts and bruises, but hopes she will be well and happy soon.

Lillian Hamlet, Dept. A19N, is vacationing with relatives in Cumberland Gap, Tenn. . . . Sarah Brown went to Dayton, Ohio over a recent week end and returned with her mother, who is ill. The department sends get well wishes. We would like to congratulate Sarah on her 5th anniversary with Y-12 which is today.

Dept. A12P extends sympathy to Maude Partin on the loss of her sister, Sally . . . Ruth Law spent her vacation helping her family get moved and settled in their new home in Maryville, Tenn. . . . Helen West is resting at her home in Wartburg, Tenn. . . . Helen Burkhalter entertained guests from Rome, Ga., over the week end.

Guy Wells, Dept. B12L, is vacationing in Mobile, Ala. and Ocean Springs, Miss. with his family . . . Francis Shamblyn and Loretta Orndal left over the week end for Virginia Beach, Va. where they will spend their vacation.

Daisy Ward, Dept. B12H, and her husband, had a recent week end guest, T. J. Harris, of Los Alamos, N. M. . . . Leah Gean Wilson, Dept. B12H, and her husband, Tom, of Dept. H12L, with Edwina Shaffer also of Dept. B12H, motored to the Blue Ridge Mountains of Virginia, Shenandoah Valley and Luray Cavrens, Va. during a recent week end . . . Debora Hubbs is back on the job after a sunny vacation spent at Miami Beach, Fla. . . . V. C. Jackson and his wife are spending their vacation touring the west and did mention the fact that they intend to stop off in Denver, Colo.

P. H. Trebilcox, Dept. M12P, and his wife, Nell, Dept. B12L, are vacationing in Milwaukee, Wis. and Plymouth, Penn. . . . Earline



Mr. and Mrs. George Stephen Ferrell are pictured above cutting their wedding cake at a reception given in their honor at the Ridge Recreation Hall following their wedding. Mrs. Ferrell is the former Clyde Baker, Dept. A12M.

Hospital List

The following Y12 employees were patients in the Oak Ridge Hospital last week: Connie C. Bowling, Dept. B12H; Harold W. Babb, Dept. A16N; Clayton Hatmaker, Dept. A16N; Raymond Murray, Dept. B12A; Yale E. Payne, Dept. A12M; Percy C. Larue, Dept. A16N.

Elder and Ethol Bow were at Miami Beach, Fla., last week vacationing . . . Lona Maggart and her husband are vacationing in Byrdstown, Tenn.

Dept. H12D have the welcome mat out for Don Phillip, Richard Weichel, Dr. D. G. Hill and Dr. C. F. Coleman . . . The department is sorry to hear J. S. Reese is ill but hopes he will be back on the job soon . . . The department wants to congratulate Pete Kackenmester who had a new addition, a baby girl, to the family recently.

Dept. A14N sends get well wishes to Clayton Hatmaker who had a tonsilectomy recently . . . J. H. Campbell is back on the job after a vacation spent in Elizabethton, Tenn. . . . P. H. Taylor is welcomed into Dept. A14N.

Virginia Smith, Dept. A12D, decided to spend her vacation at Virginia Beach, Va., and when she has enough sunshine she is going to spend the remainder of her time at Fontana, N. C.



FERRELL-BAKER

Miss Clyde Baker, Dept. A12M, and George Stephen Ferrell, Dept. A16N were married at 7 p.m., July 30 at the Chapel-On-The-Hill. The Rev. Robert Lundy, Methodist minister, performed the ceremony.

The bride is the daughter of Mr. and Mrs. Coley Baker, of Dadeville, Ala. The groom is the son of Mr. George S. Ferrell, of Pennsylvania, and the late Mrs. Ferrell.

At her wedding the bride wore a simple frock of heavenly blue crepe with white accessories and carried a white prayer book topped with a white orchid.

Miss Helen Baker, sister of the bride was matron of honor and wore a dress of dusty pink crepe with white accessories and a corsage of white rose buds.

The groom's best man was Bill Lemons of Oak Ridge.

The bride was given in marriage by her brother, Guy Baker, and during the ceremony Robert L. Knight sang nuptial music, including "Oh Promise Me", "Because" and "I Love You Truly". He was accompanied on the organ by Estelle Hays.

Following the ceremony a reception was held at Ridge Recreation Hall.

The bride attended Union High School in Dadeville, Ala. The groom attended the University of California.

After a honeymoon trip the couple will make their home in Oak Ridge.

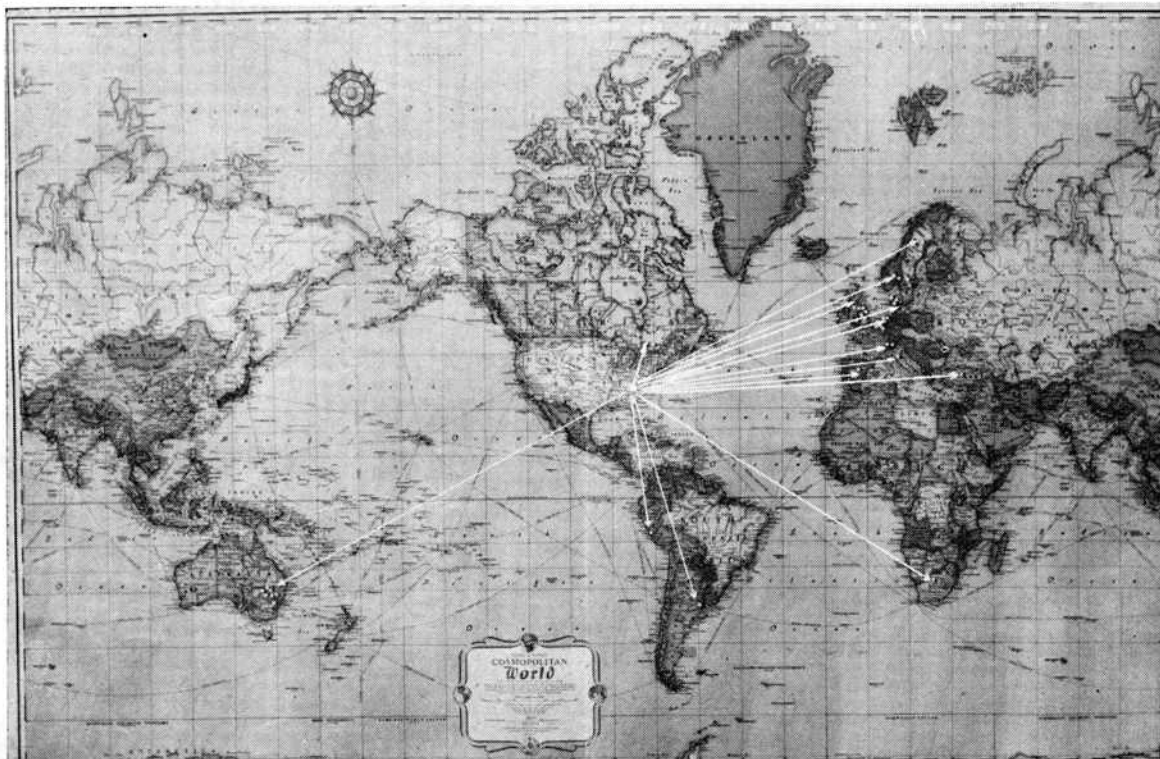
HIGHTOWER-DUNSMORE

Miss Ruby Dunsmore, daughter of Mr. and Mrs. Lon Dunsmore of Clinton, Tenn. became the bride of Troy "Eddie" Hightower, a Y-12 employee in Dept. A12L also of Clinton. The wedding took place at 10 a.m. on July 31 in Clinton. The Rev. Hill officiated at the ceremony.

The groom is the son of Mr. and Mrs. G. C. Hightower of Clinton. The newlyweds will make their home in Clinton with the groom's parents.

Deliveries

Four births were reported to Y-12 families at the Oak Ridge Hospital last week. Parents were Mr. and Mrs. Herman Kackenmester, a daughter, July 30; Mr. and Mrs. Thomas H. Allison, a daughter, August 2; Mr. and Mrs. John G. Harris, a son, August 3; Mr. and Mrs. Thomas W. Hall, a daughter, August 4.



The map above shows the world distribution of radioactive isotopes made to Argentina, Australia, Belgium, Canada, Italy, Holland, Norway, Peru, Spain, Sweden, Switzerland, Turkey, Union of South Africa, Great Britain and to 36 states in this country from laboratory distribution in this country during the past two years.

Y-12ers Build Own Motorboats For Season Hobby

Several Y-12ers were unable to resist the lure of the cool East Tennessee lakes and decided to yield to the tempting waters without emptying their pocketbooks by constructing their own boats.

These Y-12ers, Jack Case, Dept. A16N; Nelson Tibbatts, Dept. A12N; Bill Tunnell, Dept. A13W; George Banic, Dept. H12L and E. E. Kennedy, Dept. A16N, began working on boats in a building sponsored by the Oak Ridge Power Squadron in Gamble Valley in their spare time. Tunnell designed his craft and constructed it from scratch, which required one year before it could be launched. He christened her "Brat II".

Banic bought a factory-built hull in a semi-finished condition and refinished it and added the motor and hardware. His boat is powered by a 60 horsepower Chris Craft Marine motor. He named his craft "Earlene" after his wife. The building time for Banic was only four months since he had the factory hull. The top speed on his boat is 25 mph.

Top Speed 35 mph

"Brat II" has a top speed of better than 35 mph and is powered by an 85 horsepower Ford V-8 motor. Both Banic and Tunnell dock their boats at Norris.

Case and Tibbatts boat was prefabricated and they assembled the craft in five months and put a 92 horsepower Chrysler - Marine Motor in it and named her "Miss Fit". Her maximum speed is better than 30 mph.

Kennedy has a runabout powered by a 60 horsepower Jeep motor. His boat and "Miss Fit" are kept at Andersonville Dock.

Tunnell bought a surplus trailer from CEW and took it to Norris on a boat trailer. He built a barge for it there and floated it on 32 oil drums.

Any Y-12ers interested in constructing their own boat or in repairing their old one may have use of the Power Squadron building and some tools in Gamble Valley, up until December, should phone Bill Tunnell at 7618.

A section of the building is being remodeled for a club house for the squadron and the rest of the building will be used for building, repairing and storage of boats.

The Power Squadron will conduct regular weekly classes beginning in September.

Liquid Levels Put Under Control

The Chemical and Engineering News in a recent article reported that an instrument depending upon a radioactive material for its effectiveness for gaging liquid levels continuously or for controlling liquid levels at some predetermined point is manufactured by Engineering Laboratories, Inc., Tulsa, Okla., under the name Gage-tron. Since it requires no electrical or mechanical connections through tank walls, the instrument is safely used with hard-to-control liquids or vessels under pressure. Operation depends upon location of a gamma ray detector on the exterior of the vessel at the desired liquid level. For predetermined level control, the liquid rising above a fixed gamma ray source in the interior intercepts part of the radiation. In continuous level recording, the amount of detected radiation is inversely proportional to the square of the distance between the detector and the source mounted on a guided float.

PENNSYLVANIA JAILS FULL

Pennsylvania prisons are filling up but not as a result of a crime wave. The state parole board is getting tougher and those who are there just stay longer. The department of welfare said that fewer people are going to jail in Pennsylvania than in previous years but they're being kept there longer.

Cool Water-

5-8043



THE PICTURE ABOVE shows Mrs. Tunnel, Mr. Tunnell, Bill and Cora Brundage and Mrs. Banic boarding "Brat II". Top center is "Brat II" gliding across the lake with Mr. and Mrs. Tunnell aboard.

BELOW BILL TUNNELL adds finishing touches on his craft. 57870



5-8038



Y-12 Photos By Vince Moore

THE WATER PICTURES were taken at Norris Lake, and the construction shots were made in Oak Ridge where the crafts were built. Pictured inside the life preserver are "Brat II" and "Earlene" cruising on Norris Lake.

5-7869



ABOVE ARE Jack Case, Russell Allstun and Nelson Tibbatts, from left to right, taking time off to do a little dry dock fishing.

5-8042

MORE WORK before play is exhibited in the picture below of George and Earlene Banic. 57871



Ridge Health Plan Continues

(Continued from Page 1)

and still hold any promise that the backers could remain financially solvent.

"Can we obtain a personal policy that would give as satisfactory protection as the Oak Ridge Health Plan?" The answer to this is, "No". In the first place, individual personal policies call for a Statement of Health or a medical examination and may be accepted or rejected by the insurance company so that a great number of our members would not be able to obtain the contract. All individual personal policies must of necessity carry a large number of exclusions which would cause disappointment and expense if a claim arose. There would be no insurance payment for disabilities caused by physical condition existing prior to signing up for the policy. Also, most of the individual policies may be cancelled by the insurance company if the health condition of subscriber or any member of his family should change; in this event it is quite likely that the insurance carrier would decline to renew. With income from the large group of people, the insurance company can afford to pay a far greater proportion of claims under the group plan than under any individual plan.

Another feature which the members of the Oak Ridge Health Association should keep in mind is the speed and simplicity of claim payment under the Oak Ridge Health Plan and also that the benefits under the Oak Ridge Health Plan are accepted as cash at the Oak Ridge Hospital and most of the other hospitals in this vicinity. Under the individual policy, it would be necessary to pay your bill out of your pocket and then start proceedings to be repaid by the insurance company. In many cases this is not simple.

Why can't the Blue Cross Plan be subscribed to? This was thoroughly investigated in July 1947

when a Committee from Oak Ridge interviewed the State Director of the Tennessee Hospital Service Association, a Blue Cross Plan affiliate, and were informed that under the circumstances existing in Oak Ridge, the Blue Cross Plan would not be available for Oak Ridge. Furthermore, the Blue Cross Plan as now administered carries no provision for surgical or medical benefits to its members.

Everyone will have an opportunity to participate in this plan. It has been arranged that those who participated prior to August 1st and have failed to enroll thus far may enroll on or before August 20th and maintain uninterrupted coverage including accrued benefits. Those who have not been in the Plan before may enroll now. For those who enroll prior to August 16, coverage will be effective on that date. For those who enroll after August 16th protection will start September 1st. The usual 90-day waiting period before benefits are available will thus be eliminated.

The Board of Directors would like to stress that any announcement with reference to changes or discontinuance of the Oak Ridge Health Association Plan will be made promptly and by responsible authorities. It is their recommendation that you disregard unverified statements from other sources with reference to any developments.

"We are convinced that with the support of the majority of those of the eligible employees, we will be able to obtain the 75 per cent participation. If this is obtained, we are sure that we can maintain the plan indefinitely. If greater participation is obtained, we will always have the chance of increasing the benefits or reducing the rates," the Board's statement concluded.

GAS AMPLE IN TENNESSEE

Gasoline rationing in Tennessee will not be necessary as the gasoline stocks are about three per cent above normal according to state Adj. Gen. Hilton Futler. He added that the fuel oil is around 15 per cent above normal in the state.

Sale Of 29 Acres Of Area Land Offered

Arrangements have been made for disposition of approximately 29 acres of land in the immediate northeast section of the Oak Ridge Area, AEC officials announced.

The land lies in the vicinity of Dossett between the north right-of-way line of State Highway 61 and the north border line of the Oak Ridge Area. AEC officials said the land, which is northeast of the community of Oak Ridge, has no present or anticipated value, security or otherwise, to the Oak Ridge Area. The decision to sell the acreage followed inquiries received from Anderson County residents concerning possible use of the land for private purposes.

The AEC has requested the Louisville District of the Corps of Engineers to handle details of the disposition of the acreage. Persons interested in acquiring the land involved should contact the Real Estate Division, Louisville District, Corps of Engineers, P.O. Box 59, Louisville 1, Kentucky.

Highway Section Deeded

Highway 61 cuts through the land for a short distance. Officials said today it is anticipated that arrangements will be made to deed this particular section of the highway to Anderson County. In Tennessee, the right-of-way of a state highway is normally owned by the county and no foreseeable benefits may be derived through the retention of this right-of-way by the AEC, it was stated.

UNIT TO FORM

Any Y-12ers who were former electronic and communication navy personnel interested in forming an electronic warfare unit in Oak Ridge (on a non-payable basis) contact D. A. Danford, 104 Temple Road, Oak Ridge.

Benjamin Harrison, 23rd President of the United States, was born August 20, 1833.

Carbide Aid Speeds Communications

Your voice girdles the globe in one-seventh of a second.

It travels at 186,000 miles per second—the speed of light—thanks to the telephone and radio. By television, pictures of any event as it occurs are sent at the same speed.

What has made this blinding speed possible? What has given us these "ringside seats" . . . to see, to hear, to share in the headline news of the day?

Vacuum Tube is Important

The answer is greater knowledge of electronic waves and better materials to harness them. For example, the vacuum tube—heart of radio or television—depends on the greatest possible absence of air or other gases—a high vacuum. Most of the air is pumped out before the tube is sealed. Then a tiny bit of barium, called a "barium getter" is flashed inside of it by electricity. This captures the air and gives a nearly perfect vacuum. **Better Materials Are Provided**

Unending research and engineering have also provided finer plastics for insulation, purer graphite and carbon for electronic devices . . . and a host of other basic materials to help shave the speed of communications to the finest fraction of a second.

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Student: "How would you describe a miracle, Professor?"

Professor: "A miracle, eh? Well, if you were to see a bullfrog, that would not be a miracle. Neither would a thistle be a miracle. Even the melodious song of a bird singing would not constitute a miracle. But if you were to see a bullfrog sitting on a thistle singing like a bird, that would be a miracle."

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SPORTS NEWS IN Y-12

Y-12 Plant Softball Tournament
Is Scheduled For August 19thFire Department,
One-91 Top Leagues

The Guards went nine innings before they finally subdued Bldg. 9212 last Thursday night 6 to 5. "Lefty" Christopher hurled for the winners and whiffed 17 of the 9212ers. Cantrell was brought home, for the winning run, by McPherson's hard hit ball. Boyd and Guttery each connected on Christopher for homers.

One-91 smothered the Dreamers on August 4, 29 to 8. Redmond and Smitty were the winning hurlers. Redden tossed for the Dreamers.

The Bird Cagers clipped the Wolves last Thursday night 11 to 6. Ed Sise was hot on the mound, fanning ten Wolves.

Last Monday the Fire Department came from behind in the sixth to extinguish the Isotopes blaze 5 to 3. They were trailing all the way up to the sixth and scored twice in that inning and once in the last. Johnny Webb hurled for the Firemen, fanning seven and walking four. Killian tossed for the Isotopes striking out two of the Firemen and allowing no walks. Shephard batted three times and collected a double and a triple. Capehart and Jefferies got the only two hits off of Webb. Maintenance Wins

Another game which was not decided until the last inning was played, on the same night, when Maintenance topped the Wolves 5 to 4. The Wolves were leading at the start of the seventh 4 to 3 when L. C. Martin got a single for Maintenance in the last of that inning, then stole second and later made it home on a single swatted by Holzknecht. Kimbro then batted a fly deep into centerfield bringing Holzknecht in to win the ball game. Cagers top 9212

The Bird Cagers winged to a 9 to 6 victory over Bldg. 9212 on July 30 after a nip and tuck game for the first four innings. 9212, with Mustin on the mound, led the Cagers 3 to 1 at the end of the first and the Cagers came back in the second to take the lead 4 to 3. The 9212ers darted to the front again in the third 5 to 4. Then the cagers, with the able assistance of I. J. Shotts, batting a single and a homer for the evening, took the lead in the fourth and held it for the remainder of the game. Ed Sise hurled for the Cagers, whiffing six of the losers.

Dem Bums

Those Bums trotted off from the Dreamers on the same date 19 to 2. The winners batted heavy in every inning with Andy Anderson leading the team with two doubles. Walton was the winning moundsman opposed by Redden who walked 14 of the Bums.

Six C's Lose

The Crew Chiefs and One-91 were tied up 4 and 4 on July 30 at the last of the third-then the One-91ers zoomed ahead in the fourth bringing five runs in to stay ahead of the Six C's and win the game 13 to 7. Smitty and Stukenbroeker tossed for the winners. Smitty netted two singles and a homer for the evening while Parsons and Moody of the losers connected for one homer apiece.

No. 1 Shoe Team
Downs Team No. 2

The Y-12 horseshoe team No. 1 defeated the Y-12 team No. 2 last Thursday night at Ridge Courts 16 to 5. The shoe hurlers next game is scheduled for tomorrow night when No. 1 team engages the Oak Ridge Junior Chamber of Commerce. Thursday night finds the No. 2 team playing the AEC hurlers. All horseshoe games are played at the Ridge Courts and begin at 7 p. m.

Robusters Make Hash
Of Grant's Quickies

The Y-12 Robusters are set to meet the Grant's Quick Lunch Stand softballers again tomorrow night after walloping them on July 30 with a 13 to 4 thrashing.

Johnny Webb and Emmett Moore comprised the battery for the winners with Webb fanning nine of the Quickies and allowing no walks. Bill Stanton, first baseman for the Y-12ers, was the heavy hitter for the evening with two singles and a double cut of four trips to the plate.

The plant varsity nine collected 11 hits off of Grant's hurlers, Stone and Bates. The latter relieved Stone in the fifth, whiffing eight of the Y-12ers in the last three innings after the Robusters rally, in the same inning, which brought in eight runs.

The Y-12 varsity club will tangle with Firestone on August 23.

Y-12 Racquetters End
Successful Net Season

The Y-12 racquetters ended up their tennis season last Wednesday night losing to the Oak Ridge National Lab team.

In the singles, Helen Lane of ORNL, topped Mary Freestone 6-1, 7-5. Virginia Spivey, Y-12 captain, defeated Dottie Silverman 8-6, 6-1. Ann Hart lost to ORNL's Mildred Valentine 7-5, 6-2. White Gaither topped Helen Burkhalter of Y-12, 6-1, 6-2.

Y-12 won the only doubles match with Mae Hale and Lovelle Thompson defeating Ann Webster and Mary Long 10-8, 6-4.

The plant tennis team split their match with K-25 earlier in the week, winning two singles and one doubles.

Ann Hart and Helen Burkhalter won the two singles matches for Y-12 and Mary Freestone and Virginia Spivey lost the other two matches. The Y-12 doubles combination of Lovelle Thompson and Mae Hale topped Ruth Little and Dottie Schaeffer 6-4, 1-6, 6-0.

K-25 and ORNL were scheduled to play last night and final league standings will be determined from that game.

BOW, ARROW WAR FORECAST

If World War III uses the atomic bomb then World War IV will be fought with bows and arrows, Dr. P. W. Slosson, Christian educator from the University of Michigan told the Methodist Young Adults at Lynchburg, Va. He added that history has proved that man can survive the atomic age and conflicts, although he will emerge crippled.

A double elimination plant softball tournament is scheduled to start on August 19 at Administration and Jefferson Fields. The two plant leagues have been thrown together in order to select a single plant champion.

In the pairings made by the team managers, in a meeting in the Recreation Office, One-91 drew a bye and will meet the winner of the Fire Department and Bldg. 9212 game on the opening day.

The Wolves and the Calutrons play on the same date, and the winner of this game will oppose the Maintenance club which drew a bye.

The Bums will play the winner of the Guards and All Stars game. The Bird Cagers and Isotopes meet on the 23rd and the winner will engage the winner of the Dreamer vs. Crew Chiefs tilt.

Losers will drop down into the losers bracket and a schedule will be arranged for this bracket on August 24.

Plant Softball
Schedule,
Standings, Results

THIS WEEK'S SCHEDULE

Tuesday, August 10 — Administration Field, Maintenance vs. Fire Department at 5:30 p.m.; Bums vs. One-91 at 7 p.m.; Crew Chiefs vs. Dreamers at 8:30 p.m.

Wednesday, August 11 — Jefferson Junior High School Field, All Stars vs. Bird Cagers at 6 p.m.; Dreamers vs. Crew Chiefs at 6 p.m.

Thursday, August 12 — Administration Field, Dreamers vs. Bums at 5:30 p.m.; Bird Cagers vs. Calutrons at 7 p.m.; All Stars vs. Bldg. 9212 at 8:30 p.m.

Friday, August 13 — Administration Field, Isotopes vs. Bldg. 9212 at 5:30 p.m.; Dreamers vs. One-91 at 7 p.m.; Bums vs. Crew Chiefs at 8:30.

LEAGUE STANDINGS AUGUST 5

CARBIDE LEAGUE					
Team	W	L	Team	W	L
Fire Dept.	6	0	Wolves	2	5
Guards	5	1	Bldg. 9212	1	4
Isotopes	5	2	Calutrons	1	6
Maintenance	5	2	All Stars	0	5
Bird Cagers	3	3			

CARBON LEAGUE							
Team		W	L	Team		W	L
One-9	1	6	0	Crew Chiefs		1	4
Bums		4	2	Dreamers		0	5

CARBON LEAGUE			
Team	R	H	E
Bums	3	6	3
Dreamers	1	0	0
One-91	2	1	1
Crew Chiefs	2	1	2
One-91	0	0	1
Bums	0	2	1
One-91	0	0	1
Dreamers	2	2	3

CARBIDE LEAGUE			
Team	R	H	E
Fire Dept.	1	1	0
Isotopes	3	0	0
Maintenance	0	0	3
Wolves	0	4	0
Bird Cagers	1	3	0
Bldg. 9212	3	0	2
Guards	0	0	3
9212	0	1	0
Bird Cagers	0	2	3
Wolves	0	0	1
Isotopes	0	0	0
Bird Cagers	0	0	0



Y-12 Photos By Vince Moore

The Crew Chiefs, nicknamed the "Six C's" were organized for the second half of the plant softball league and are in the Carbon League. Pictured standing from left to right are George Riddle, Bill Adcock, Toy Moody, L. F. Flynn, Avery Kindig, Cecil Hubbard, Jim Patterson and manager, Mike Crews. Kneeling from left to right are Charles Mitchell and Clarence Parsons.

Y-12 Varsity Nines
Top Sevierville Clubs

Sevierville invaded Oak Ridge on July 31 and trekked home with two defeats handed them when the Y-12 Robusters bopped their VFW softball club 1 to 0 and the Y-12 Robins topped the Sevierville Wildcats 8 to 7.

The Y-12 varsity softballers had previously engaged the foreign clubs three weeks ago and the Robusters emerged victorious while the Robins dropped their game.

The Robusters scored in the first inning of the game here and that was the way the contest ended. Ed Sise hurled for the home club and Emmett Moore did the catching.

Bill Stanton, George McPherson and Richard Dew accounted for a single apiece and George Burney lambasted a well hit double for Y-12.

Wildcats Rally

The Robins were in the lead until the seventh inning when the Wildcats tied up the ball game 7 to 7. Neither team could tally in the eighth and the Y-12ers brought across the winning run in the ninth.

Marian Brown was the winning tosser, whiffing seven Wildcat batters and walking three. Helen Brown caught for Y-12.

Bonnie Choute was the big hitter for the Robins with three singles out of five trips to the plate.

Ridge Rifle Club Leads
East Tennessee League

The Oak Ridge Sportsmens Association's Rifle Club is leading the East Tennessee league in summer competition. The next match will be against Rockwood on August 15. On August 22 the Rifle Club will have a coaching class in rifle shooting for beginners. Club rifles will be available for those who do not have rifles and on the same day there will be an Army E qualifications match for National Rifle Association members.

Plans are being made for a big Labor Day shooting on the Trap and Skeet field. There will be a registered shoot which will be for the Amateur Trap Association and National Skeet Shooting Association members. Prizes will be awarded in four classes and meals and drinks will be available.

Cards And K-25 Meet
Thursday At Oakwood

The Y-12 Cardinals are set for plenty of action Thursday when they meet K-25 after losing one and winning one this past week in the hardball league.

They topped Roane-Anderson 7 to 4 on July 30 when every Card got a single with the exceptions of Dodson and Holt.

Hawkins hurled for Y-12 and Dodson did the catching. He whiffed nine of the R-A's and walked three. Schultz relieved Bunch for Roane-Anderson as pitcher in the seventh. The R-A's didn't get their first run across until the sixth.

The Cards were favored to win over VFW last Wednesday but the game didn't end as the experts had previously predicted. VFW walked away from the Cardinals 7 to 3.

Noe and Gardner got Y-12's only two hits. Gardner started on the mound for Y-12 and was relieved by Kapplemann in the seventh.

Golf Tournament
Players Active

The Y-12 golf ladder tournament advanced this week with player standings moving up and down. J. S. Dunlap and W. D. Lavers were tied for first place in the won and lost standings as of August 4, with three wins and no defeats. Other contestants with no defeats include Caldwell, Nettle and Olson with two wins each.

Cain has two wins and no losses and Shugart has one win and no defeats. Sky Barker lost three matches last week. One match to Cain and two matches to Lavers. L. C. Martin brought his game total up to seven with six wins against one defeat.

George Reese
Wins First Heat

George and Richard Reese, sons of John Reese, Dept. H12D, were both eliminated in the Chattanooga Soap Box Derby on August 2.

George won his first heat and placed second in the next heat. His racer was sponsored by the Oak Ridge Junior Chamber of Commerce. Richard's racer was sponsored by the Oak Ridge Lions Club and he was eliminated in his first heat.



Y-12 Photos By Vince Moore

Shown above are the Dreamers, of the Carbon League in the plant softball league, standing from left to right are Clyde Vowell, Marshall Moore, Bruce Coulter, Ellis O'Rourke, Walter Boatman, Bill Walker and Orville Matlock. Kneeling from left to right are Oliver Stokely, Carlie Lawson, Jack Baer and Albert Neubert. The batboy is the son of Walter Boatman.